

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	741	hashimoto-seiji.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:17
S2	0	(surveillance security intru\$4) same (((detect\$3 locat\$3 identif\$7 determin\$5) near5 (motion movement change)) same ((compress\$3 encod\$3) with (different\$2 separate\$2 higher better) with (ROI interest\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:21
S3	310	(surveillance security intru\$4) and (((detect\$3 locat\$3 identif\$7 determin\$5) near5 (motion movement change)) same ((compress\$3 encod\$3) with (different\$2 separate\$2 higher better)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:20
S4	3	(surveillance security intru\$4) and (((detect\$3 locat\$3 identif\$7 determin\$5) near5 (motion movement change)) same ((compress\$3 encod\$3) with (different\$2 separate\$2 higher better) with (ROI interest\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:29
S5	332	(((detect\$3 locat\$3 identif\$7 determin\$5) with (motion movement change)) and ((compar\$4 validat\$3 determin\$5 deci\$4) with (((compress\$3 encod\$3) near3 (rate ratio)) (cod\$3 near3 efficiency) bit\$1rate))).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:47
S6	2	S1 and (((detect\$3 locat\$3 identif\$7 determin\$5) with (motion movement change)) and ((compar\$4 validat\$3 determin\$5 deci\$4) with (((compress\$3 encod\$3) near3 (rate ratio)) (cod\$3 near3 efficiency) bit\$1rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:37
S7	197569	sanyo.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:37

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S8	21	S7 and (((detect\$3 locat\$3 identif\$7 determin\$5) with (motion movement change)) and ((compar\$4 validat\$3 determin\$5 deci\$4) with (((compress\$3 encod\$3) near3 (rate ratio)) (cod\$3 near3 efficiency) bit\$1rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 10:37
S9	69	(((detect\$3 locat\$3 identif\$7 determin\$5) with (motion movement change)) and ((compar\$4 validat\$3) with (((compress\$3 encod\$3) near3 (rate ratio)) (cod\$3 near3 efficiency) bit\$1rate))).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:25
S10	10	(J2K J2000 JPEG\$2K JPEG\$2000) same (ROI with ((different\$2 separate\$2 lower less) near5 (rate ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:36
S11	1712	(compress\$3 encod\$3) same ((motion move\$4 change intru\$4) with (ROI interest))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:39
S12	5	(J2K J2000 JPEG\$2K JPEG\$2000) same ((assign\$4 designat\$3 set) with (motion move\$4 change intru\$4) with (ROI interest))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:47
S13	85	(J2K J2000 JPEG\$2K JPEG\$2000) and ((assign\$4 designat\$3 set) with (motion move\$4 change intru\$4) with (ROI interest))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:48
S14	40	(J2K J2000 JPEG\$2K JPEG\$2000) and ((assign\$4 designat\$3 set) with (motion move\$4 intru\$4) with (ROI interest))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:49
S15	13	(J2K J2000 JPEG\$2K JPEG\$2000) and ((assign\$4 designat\$3) with (motion move\$4 intru\$4) with (ROI interest))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:54
S16	6	(compress\$3 encod\$3) same ((assign\$4 designat\$3) with ((area portion region block) near5 (motion move\$4 intru\$4)) with (ROI interest))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 12:56

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S17	24	(compress\$3 encod\$3) same ((determin\$5 set\$4) with ((area portion region block) near5 (motion move\$4 intru\$4)) with (ROI interest))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 13:00
S18	5813	(video frame) same ((increas\$3 higher) near5 (compress\$3 encod\$3 quantiz\$5 bit) near5 (rate ratio amount))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 15:55
S19	1026	(video frame) same ((increas\$3 higher) near5 (compress\$3 encod\$3) adj1 (rate ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 15:56
S20	569	(video frame) with ((increas\$3 higher) near5 (compress\$3 encod\$3) adj1 (rate ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 15:59
S21	27	S20 same (JPEG\$5 J2K)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 15:59
S22	224	(video frame) with (increas\$3 near5 (compress\$3 encod\$3) adj1 (rate ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 08:29
S23	8	S22 same (JPEG\$5 J2K)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 15:59
S24	1	(video frame) with ((increas\$3 near5 (compress\$3 encod\$3) adj1 (rate ratio)) with ((select\$3 designat\$3 non\$1ROI) adj1 (region portion area block)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 16:06
S25	7	((increas\$3 near5 (((compress\$3 encod\$3) near5 (rate ratio)) bit\$1rate)) with ((select\$3 designat\$3 non\$1ROI) adj1 (region portion area block)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 16:15
S26	0	"560219".an. "561410".an.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/06 16:17

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S27	4	((("5962140") or ("5877812"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/06 16:22
S28	4	((("5862140") or ("5877812"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/06 16:22
S29	8036	382/166,239,248, 251;341/51;348/395.1,403.1-408. 1;358/426.02-426.08;375/240.02, 240.03,240.16,240.18,240.19,240.2. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 08:28
S30	46	S29 and ((video frame) with (increas\$3 near5 (compress\$3 encod\$3) adj1 (rate ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 08:48
S31	145	S29 and ((video frame) with ((increas\$3 higher better greater) near5 ((compress\$3 encod\$3) adj1 (rate ratio))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 12:14
S32	7	((((compress\$3 en\$1cod\$3) near5 (rate ratio size)) and ((image frame screen) with (ROI region object)) and ((image frame screen) with ((no "not" devoid absent missing) near5 (ROI region object))))).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 12:18


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### 1 [The design and implementation of a progressive on-demand image dissemination system for very large images](#)

Michael J. Owen, Andrew K. Lui, Edward H. S. Lo, Mark W. Grigg

January 2001 **Australian Computer Science Communications , Proceedings of the 24th Australasian conference on Computer science ACSC '01**, Volume 23 Issue 1

Publisher: IEEE Computer Society, IEEE Computer Society Press

Full text available: [pdf\(855.36 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#)[Publisher Site](#)

The use of progressive, on-demand image dissemination techniques can support efficient dissemination of very large images across networks. In this paper we examine the effectiveness of various design options in developing such on-demand dissemination systems. We show that the choice of the design options can have a profound impact on the efficient use of client, server, and network resources. Based on our performance evaluation experiments, we recommend that efficient dissemination can be achieved ...

### 2 [JPEG2000: the new still picture compression standard](#)



C. A. Christopoulos, T. Ebrahimi, A. N. Skodras

November 2000 **Proceedings of the 2000 ACM workshops on Multimedia MULTIMEDIA '00**

Publisher: ACM Press

Full text available: [pdf\(790.51 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

*This paper presents an overview of the upcoming JPEG2000 still picture compression standard. JPEG2000 is not only intended to provide rate-distortion and subjective image quality performance superior to existing JPEG standard, but to also provide functionality that the current JPEG standard can either not address efficiently nor address at all. Lossless and lossy compression, encoding of very large images, progressive transmission by pixel accuracy and by resolution, robustness to the pres ...*

**Keywords:** JPEG, colour image coding, data compression, source coding, subband coding, wavelet transform

### 3 [Cache investment: integrating query optimization and distributed data placement](#)

Donald Kossmann, Michael J. Franklin, Gerhard Drasch, Wig Ag



December 2000 **ACM Transactions on Database Systems (TODS)**, Volume 25 Issue 4

**Publisher:** ACM Press

Full text available: pdf(210.67 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Emerging distributed query-processing systems support flexible execution strategies in which each query can be run using a combination of data shipping and query shipping. As in any distributed environment, these systems can obtain tremendous performance and availability benefits by employing dynamic data caching. When flexible execution and dynamic caching are combined, however, a circular dependency arises: Caching occurs as a by-product of query operator placement, but query operator pl ...

**Keywords:** cache investment, caching, client-server database systems, data shipping, dynamic data placement, query optimization, query shipping

#### 4 ITP: an image transport protocol for the internet

Suchitra Raman, Hari Balakrishnan, Murari Srinivasan

June 2002 **IEEE/ACM Transactions on Networking (TON)**, Volume 10 Issue 3

**Publisher:** IEEE Press

Full text available: pdf(321.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Images account for a significant and growing fraction of Web downloads. The traditional approach to transporting images uses TCP, which provides a generic reliable in-order bytestream abstraction, but which is overly restrictive for image data. We analyze the progression of image quality at the receiver with time, and show that the in-order delivery abstraction provided by a TCP-based approach prevents the receiver application from processing and rendering portions of an image when they actually ...

**Keywords:** computer networks, congestion control, internetworking, network adaptation, selective reliability, transport protocols

#### 5 Toward improved geographic information services within a digital government: report of the NSF digital government initiative geographic information systems workshop

Louis Hecht, Barbara Kucera

May 2000 **Proceedings of the 2000 annual national conference on Digital government research dg.o '00**

**Publisher:** Digital Government Research Center

Full text available: pdf(531.35 KB) Additional Information: [full citation](#), [abstract](#)

This material is based upon work supported in part by the National Science Foundation under Grant No. EIA-9818131. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.

#### 6 Industrial Session: Scalable streaming of JPEG2000 images using hypertext transfer protocol

Sachin Deshpande, Wenjun Zeng

October 2001 **Proceedings of the ninth ACM international conference on Multimedia MULTIMEDIA '01**

**Publisher:** ACM Press

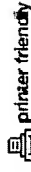
Full text available: pdf(1.49 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a scalable architecture for streaming of JPEG2000 images, using Hypertext Transfer Protocol (HTTP). JPEG2000 is a new image compression standard. One of the goals of JPEG2000 is to support large images. For a large image, even the



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Wu, X.;

Information Theory, IEEE Transactions on

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Yuan Xing Li; Sin Yun Hsu; Tsao, T.;

Magnetics, IEEE Transactions on

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Etoh, M.; Choong Seng Boon; Kadono, S.;

Circuits and Systems for Video Technology, IEEE Transactions on

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